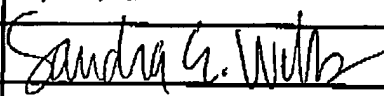
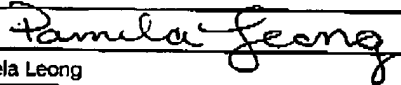


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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09,916,135
		Filing Date	July 25, 2001
		First Named Inventor	Matsuzaki, et al.
		Art Unit	1637
		Examiner Name	Jeffrey Fredman
Total Number of Pages in This Submission	14	Attorney Docket Number	3414

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response (10 pgs) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Affymetrix, Inc.		
Signature			
Printed Name	Sandra E. Wells		
Date	November 2, 2004	Reg. No.	52,349

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Pamela Leong	Date	November 2, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 110

Complete If Known

Application Number 09/916,135
Filing Date July 25, 2001
First Named Inventor Matsuzaki, et al.
Examiner Name Jeffrey Fredman
Art Unit 1637
Attorney Docket No. 3414

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 01-0431

Deposit Account Name Affymetrix, Inc.

The Director is authorized to: (check all that apply)
☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or any underpayment of fee(s)
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	790	2001 395 Utility filing fee	
		1002	350	2002 175 Design filing fee	
		1003	550	2003 275 Plant filing fee	
		1004	790	2004 395 Reissue filing fee	
		1005	160	2005 80 Provisional filing fee	

SUBTOTAL (1)

(\$0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	20**	=	0	X	Fee from below	=	0	Fee Paid
Independent Claims	3**	=	0	X	Fee from below	=	0	Fee Paid
Multiple Dependent				X	Fee from below	=	0	Fee Paid

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1202	18	2202 9 Claims in excess of 20	
		1201	88	2201 44 Independent claims in excess of 3	
		1203	300	2203 150 Multiple dependent claim, if not paid	
		1204	88	2204 44 Reissue independent claims over original patent	
		1205	18	2205 9 Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2)

(\$0)

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051 65 Surcharge - late filing fee or oath	
		1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
		1053	130	1053 130 Non-English specification	
		1812	2,520	1812 2,520 For filing a request for <i>ex parte</i> reexamination	
		1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
		1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
		1251	110	2251 55 Extension for reply within first month	110
		1252	430	2252 215 Extension for reply within second month	
		1253	980	2253 490 Extension for reply within third month	
		1254	1,530	2254 765 Extension for reply within fourth month	
		1255	2,080	2255 1,040 Extension for reply within fifth month	
		1401	340	2401 170 Notice of Appeal	
		1402	340	2402 170 Filing a brief in support of an appeal	
		1403	300	2403 150 Request for oral hearing	
		1451	1,510	1451 1,510 Petition to institute a public use proceeding	
		1452	110	2452 55 Petition to revive - unavoidable	
		1453	1,370	2453 685 Petition to revive - unintentional	
		1501	1,370	2501 685 Utility issue fee (or reissue)	
		1502	490	2502 245 Design issue fee	
		1503	660	2503 330 Plant issue fee	
		1460	130	1460 130 Petitions to the Commissioner	
		1807	50	1807 50 Processing fee under 37 CFR 1.17 (q)	
		1806	180	1806 180 Submission of Information Disclosure Stmt	
		8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
		1809	790	2809 395 Filing a submission after final rejection (37 CFR § 1.129(a))	
		1810	790	2810 395 For each additional invention to be examined (37 CFR § 1.129(b))	
		1801	790	2801 395 Request for Continued Examination (RCE)	
		1802	900	1802 900 Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$110)

SUBMITTED BY

Name (Print/Type)

Sandra E. Wells

Registration No. (Attorney/Agent)

52,349

Complete (if applicable)

Telephone

408-731-5000

Signature

Sandra E. Wells

Date

November 2, 2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 110

Complete if Known

Application Number 09/818,135
Filing Date July 25, 2001
First Named Inventor Matsuzaki, et al.
Examiner Name Jeffrey Friedman
Art Unit 1837
Attorney Docket No. 3414

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit
Account
Number

01-0431

Deposit
Account
Name

Affymetrix, Inc.

The Director is authorized to: (check all that apply)
☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or any underpayment of fee(s)
☐ Charge fee(s) indicated below, except for the filing fee
to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1001	780	2001	395		Utility filing fee	
	1002	350	2002	175		Design filing fee	
	1003	550	2003	275		Plant filing fee	
	1004	790	2004	395		Reissue filing fee	
	1005	160	2005	80		Provisional filing fee	

SUBTOTAL (1)

(\$0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
20	0	0	0
Independent Claims	3	0	0
Multiple Dependent			0

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1202	18	2202	9		Claims in excess of 20	
	1201	88	2201	44		Independent claims in excess of 3	
	1203	300	2203	150		Multiple dependent claim, if not paid	
	1204	88	2204	44		Reissue independent claims over original patent	
	1205	18	2205	9		Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2)

(\$0)

or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1051	130	2051	65		Surcharge - late filing fee or oath	
	1052	50	2052	25		Surcharge - late provisional filing fee or cover sheet	
	1053	130	2053	130		Non-English specification	
	1812	2,520	1812	2,520		For filing a request for <i>ex parte</i> reexamination	
	1804	920	1804	920		Requesting publication of SIR prior to Examiner action	
	1805	1,840	1805	1,840		Requesting publication of SIR after Examiner action	
	1251	110	2251	55		Extension for reply within first month	110
	1252	430	2252	215		Extension for reply within second month	
	1253	980	2253	490		Extension for reply within third month	
	1254	1,530	2254	785		Extension for reply within fourth month	
	1255	2,080	2255	1,040		Extension for reply within fifth month	
	1401	340	2401	170		Notice of Appeal	
	1402	340	2402	170		Filing a brief in support of an appeal	
	1403	300	2403	150		Request for oral hearing	
	1451	1,510	1451	1,510		Petition to institute a public use proceeding	
	1452	110	2452	55		Petition to revive - unwithdrawn	
	1453	1,370	2453	685		Petition to revive - unintentional	
	1501	1,370	2501	685		Utility issue fee (or reissue)	
	1502	490	2502	245		Design issue fee	
	1503	860	2503	330		Plant issue fee	
	1480	130	1480	130		Petitions to the Commissioner	
	1807	50	1807	50		Processing fee under 37 CFR 1.17 (a)	
	1806	180	1806	180		Submission of Information Disclosure Sheet	
	8021	40	8021	40		Recording each patent assignment per property (times number of properties)	
	1809	790	2809	395		Filing a submission after final rejection (37 CFR § 1.129(a))	
	1810	790	2810	395		For each additional invention to be examined (37 CFR § 1.129(b))	
	1801	790	2801	395		Request for Continued Examination (RCE)	
	1802	900	1802	900		Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$110)

SUBMITTED BY

Name (Print/Type)

Sandra E. Wells

Registration No. (Attorney/Agent)

52,349

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408-731-5000

Signature

Sandra E. Wells

Date

November 2, 2004

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PATENT
Attorney Docket No. 3414

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Matsuzaki et al.

Serial No: 09/916,135

Filing Date: July 25, 2001

Title: **Complexity Management
of Genomic Data**

Examiner: Jeffrey Fredman

Group Art Unit: 1637

Docket No.: 3414

Customer No. : 22886

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT UNDER 37 C.F.R. § 1.111

Sir:

In response to the Office Communication mailed 07/02/2004, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks begin on page 7 of this paper.